# Mountain Weather Forecast

## Peak District National Park

Forecast valid from 06:00 on Tuesday 08 Dec 2020 until 23:59 on Wednesday 09 Dec 2020

Forecast Issued on Tuesday 08 Dec 2020 at 04:39

**Confidence:** High confidence for an unsettled week with bands of rain, Wednesday looks like the best day in the 5 day outlook.

**Headline for Tuesday 08 Dec 2020:** A wet and dull day with fresh southwesterly winds and poor visibility around the Peak District.

**Mountain weather hazards on Tuesday 08 Dec 2020**

| | | |
|---|---|---|
| **Blizzards**<br>No Likelihood | **Heavy Snow**<br>No Likelihood | **Storm force winds**<br>No Likelihood |
| **Gales**<br>No Likelihood | **Severe chill effect**<br>Low Likelihood | **Poor visibility**<br>Medium Likelihood |
| **Thunderstorms**<br>No Likelihood | **Heavy persistent rain**<br>No Likelihood | **Strong sunlight**<br>No Likelihood |

| **Weather and chance of precipitation at 600m** | | | | | |
|---|---|---|---|---|---|
| Time | | | | | |
| 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | |
| Sleet | Sleet | Sleet | Sleet | Light rain showers (night) | Light rain showers (night) |
| Precipitation probability | | | | | |
| 20% | 60% | 70% | 70% | 60% | 60% |

**Forecast for Tuesday 08 Dec 2020**

**Weather:** Staying mostly dry but cloudy this morning, however outbreaks of rain will soon spread across the Peak District by lunchtime, these will be wintery on high ground to begin with but as freezing level rises it will become increasingly rainy. Rain will be more persistent for a time in the afternoon becoming lighter and more showery in the evening.

**Chance of cloud free mountain/hill tops above 600m:** 60% in the morning but becoming 20% in the afternoon as low cloud becomes quite extensive above 3-400m.

**Visibility:** Good at first but soon falling moderate or poor for the rest of the day, in any wintery weather it will be very poor.

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# Mountain Weather Forecast

**Forecast for Tuesday 08 Dec 2020**

| Height (m) | Wind Speed mean/gusts (mph) Wind Direction (blowing from) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 17/23 SW | 18/24 SW | 19/27 SW | 19/27 SW | 16/22 W | 14/20 W | 13/18 W |
| **300** | 12/19 SW | 14/20 SW | 15/22 SW | 14/22 SW | 12/19 W | 12/18 W | 11/17 W |
| **Valley** | 7/17 SW | 9/19 SW | 10/22 SW | 10/22 SW | 9/19 W | 8/17 W | 7/15 W |

| Height (m) | Temperature / Feels Like (°C) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 0/-6 | 0/-6 | 1/-5 | 2/-4 | 2/-3 | 2/-3 | 2/-2 |
| **300** | 2/-3 | 2/-2 | 3/-2 | 4/-1 | 4/0 | 4/0 | 4/1 |
| **Valley** | 2/-1 | 3/-1 | 3/-0 | 4/1 | 5/1 | 5/2 | 4/2 |
| **Freezing Level*** | 700m | 700m | 800m | 1000m | 1000m | 1000m | 1000m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

As freezing level rises on Tuesday there will be some snowmelt from 500m in addition to the rainfall which may cause watercourses to swell. Feeling cold on the hills in strong northwesterly winds.

**Recent rainfall:** measured at Cat & Fiddle: altitude 511m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 03:00 on Tue 08 Dec 2020 | 4mm | 12.6mm | 17.8mm |

**Forecast for Wednesday 09 Dec 2020**

**Weather:** Perhaps some light rain before dawn but then a mainly dry and bright day, perhaps some early mist and fog in prone spots and an early frost is likely. There may be the odd shower.

**Maximum wind:** Northwesterly backing southerly 10-15mph

**Chance of cloud free mountain/hill tops above 600m:** 90% chance of cloud free tops, perhaps some low cloud shrouding the tops around dawn.

**Visibility:** Good or very good.

**Temperature:** **Valleys:** Plus 5 Celsius.
**At 600m:** Plus 2 Celsius
**Freezing level:** 900m

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